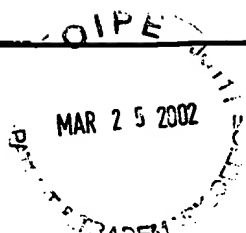


**COVER****SHEET****FAX**

**To:** Box Duplicate OIPE  
**Fax #:** 703-746-4040 (OIPE)  
**Subject:** REQUEST FOR SUBSTITUTE PAPERS for  
Applied Materials Docket No.: 004990 USA /TCG/ W-C / LE  
Entitled: CLEANING METHOD AND SOLUTION FOR CLEANING A WAFER  
IN A SINGLE WAFER PROCESS  
Serial No.: 09/891,730; Filing Date: 06/25/2001  
Inventor(s): Steven VERHAVERBEKE\*, J Kelly TRUMAN  
Confirmation Number Assignment: 1392  
**Date:** March 25, 2002  
**Pages:** 8, including this cover sheet.

COMMENTS:

RECEIVED  
MAY 28 2002  
TC 1700

From the desk of...  
Jo Ann Cottrell  
Patent Administrator  
Applied Materials, Inc.  
2881 Scott Blvd., M/S 2061  
Santa Clara, CA 95050

(408) 235-6536  
Fax: (408) 986-3090



UNITED STATES PATENT AND TRADEMARK OFFICE

RES 4-402  
 UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
 Washington, D.C. 20591  
 www.uspto.gov

Application Number	Filing Date	First Named Applicant	Atty. Docket No.
09/891,730	06/25/2001	Verhaverbeke, Steven	4990/TCG/TPG/OTHER/LE

Michael A. Bernadicou  
 APPLIED MATERIALS, INC.  
 Patent Counsel, Legal Affairs Department  
 P.O. Box 450A  
 Santa Clara CA 95052

REC'D MAR 21 2002

**Title:** Cleaning method and solution for cleaning a wafer in a single wafer

Date Mailed:03/15/2002

## Request for Substitute Papers

NMP

The papers filed on 01/15/02 (certificate of mailing dated 10/19/01) are no longer in condition to become part of the permanent records of the United States Patent and Trademark Office (USPTO) for this application (37 CFR 1.52(a)) due to the United States Postal Service sanitization process.

The USPTO requests that applicant provide a copy of the above-identified papers (except for any U.S. or foreign patent documents submitted with the above-identified papers) with a statement that such copy is a complete and accurate copy of the above-identified papers (signing and returning a copy of this notice will provide such a statement). The reply to this letter should be submitted to the USPTO by facsimile at the number indicated 703-746-4060(OIPE)

Alternatively, the reply to this letter may be hand-carried to the Customer Service Window located in Room 1B03 of Crystal Plaza Building 2, Arlington, Virginia, 22202.

The USPTO **strongly** prefers that the reply to this letter be submitted by facsimile. However, if applicant cannot submit the reply to this letter by facsimile (or hand-delivery), the reply may be mailed to: Box Duplicate OIPE, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202-2327

This letter is not a notice under 37 CFR 1.251. However, failure to timely replay to this notice within **two (2) weeks** of the date of receipt of this letter may result in the USPTO issuing a notice under 37 CFR 1.251. A copy of this notice should be included with the reply.

The enclosed papers are a complete and accurate copy of the above-identified papers.

Name: Robert W. Mulcahy Registration No.: 25,436

Signature

Date

3/25/02

RECEIVED  
 MAY 28 2002  
 TC 1700



Box Missing Parts  
Assistant Commissioner of Patents and Trademarks  
Washington, D. C. 20231

Title CLEANING METHOD AND SOLUTION FOR  
CLEANING A WAFER IN A SINGL  
Inventor Steven VERHAVERBEKE et al  
Serial No 09/891,730  
Filed 25J2001  
Atty Dkt No 004990 USA TCG/W-C

ENCLOSED:

Response to Notice to File Missing Parts  
Declaration and Power of Attorney.  
PTO-1533  
Return Receipt Post Card

LE: Mailed: October 19, 2001

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Steven VERHAVERBEKE, et al

Assignee: APPLIED MATERIALS, INC.

Title: CLEANING METHOD AND SOLUTION FOR CLEANING A WAFER  
IN A SINGLE WAFER PROCESS

Serial No.: 09/891,730

Confirmation Number Assignment: 1392

Filed: 25JE2001

Group Art Unit: 1765

Attorney Docket No.: 004990

Examiner: Unknown

Santa Clara, California..

October 19, 2001

Box: Missing Parts

ASSISTANT COMMISSIONER OF PATENTS AND TRADEMARKS

Washington, D.C. 20231

Attention: Manager

Applications Division

COPY OF PAPERS  
ORIGINALLY FILEDRESPONSE TO NOTICE TO FILE MISSING PARTS  
OF APPLICATION - FILING DATE GRANTED

Sir:

In response to the Notice to File Missing Parts of Application - Filing Date Granted mailed by the United States Patent and Trademark Office on August 20, 2001, the following documents are enclosed and comments rendered to complete the filing of the above-identified patent application:

1. A combined declaration and power of attorney signed by the inventor(s) in compliance with 37 CFR 1.63 (3 pages);
2. A copy of the Notice to File Missing Parts of Application - Filing Date Granted
3. In response to the Notice of Informal Drawings, substitute drawings in compliance with 37 C.F.R. 1.84 were submitted separately to the Official Draftsperson on or about August 23, 2001.

The United States Patent and Trademark Office is hereby authorized to charge the following fees to Deposit Account 50-1074;

1. Filing Fee - Original Patent Application (37 CFR 1.16(a))
2. Fees for claims  
\_\_ each independent claim in excess of 3 (37 CFR 1.16(f))

☐ each claim in excess of 20 (37 CFR 1.16(c))  
☐ each multiple dependent claim (37 CR 1.16(d))  
☒ Late Payment of filing fee or late filing of original declaration  
 or oath - (37 CFR 1.16(e)) \$130.00  
Total Completion Fees \$130.00

3. Applicant petitions for an extension of time, the fees for which are set out in 37 CFR 1.17(a)-(d), for the total number of months checked below:

Extension (Months) Fee for other than Small Entity

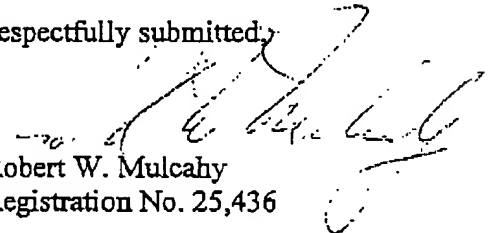
☐ One Month \$ 110.00  
☐ Two Months \$ 400.00  
☐ Three Months \$ 920.00  
☐ Four Months \$1,440.00

If an additional extension of time is required please consider this a petition therefor.

4. The Commissioner is hereby authorized to charge \$130.00 and any additional fees which may be required, or credit any overpayment, to Deposit Account No.50-1074.

It is hereby respectfully submitted that the enclosed documents complete the filing of the above-named patent application and justify the filing date of 25JE2001. Please telephone the undersigned at (408) 563-2726, if there are any questions regarding this matter.

Respectfully submitted,

  
 Robert W. Mulcahy  
 Registration No. 25,436

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Commissioner of Patents and Trademarks,  
 Washington, D.C. 20231 on 10-19-01

Signature: [Handwritten Signature] 03/25/02

09/891,730

0989130-06216860

# **EXPRESS MAIL CERTIFICATE OF MAILING**

"Express Mail" mailing label number: EL672746819US

Date of Deposit: June 25, 2001

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

Teresa Edwards  
(Typed or printed name of person mailing paper or fee)

Teresa Edwards  
(Signature of person mailing paper or fee)

June 25, 2001  
(Date signed)

Serial/Patent No.: Not yet assigned Filing/Issue Date: Herewith  
Client: Applied Materials  
Title: CLEANING METHOD AND SOLUTION FOR CLEANING A WAFER IN A SINGLE WAFER PROCESS

BSTZ File No.: 04887P447 Atty/Secty Initials: MAB/te  
Date Mailed: June 25, 2001 Docket Due Date: \_\_\_\_\_

The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Amendment/Response (____ pgs.)  | <input checked="" type="checkbox"/> Express Mail No. <u>EL672746819US</u>            | <input checked="" type="checkbox"/> Check No. <u>43153</u> |
| <input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)                                    | <input type="checkbox"/> _____ Month(s) Extension of Time                            | Amt: <u>\$4,768.00</u>                                     |
| <input checked="" type="checkbox"/> Application - Utility ( <u>47</u> pgs., with cover and abstract) | <input type="checkbox"/> Information Disclosure Statement & PTO 144 (____ pgs.)      | <input type="checkbox"/> Check No. _____                   |
| <input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)                         | <input type="checkbox"/> Issue Fee Transmittal                                       | Amt: _____   |
| <input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.)                           | <input type="checkbox"/> Notice of Appeal  |  |
| <input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.)                                  | <input type="checkbox"/> Petition for Extension of Time                              |  |
| <input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)                      | <input type="checkbox"/> Petition for _____  |  |
| <input type="checkbox"/> Application - Design (____ pgs.)  | <input checked="" type="checkbox"/> Postcard   |  |
| <input type="checkbox"/> Application - PCT (____ pgs.)   | <input checked="" type="checkbox"/> Power of Attorney ( <u>4</u> pgs.)               |  |
| <input type="checkbox"/> Application - Provisional (____ pgs.)                                       | <input type="checkbox"/> Preliminary Amendment (____ pgs.)                           |  |
| <input type="checkbox"/> Assignment and Cover Sheet  | <input type="checkbox"/> Reply Brief (____ pgs.)                                     |  |
| <input checked="" type="checkbox"/> Certificate of Mailing   | <input type="checkbox"/> Response to Notice of Missing Parts                         |  |
| <input type="checkbox"/> Declaration & POA ( <u>4</u> pgs.)  | <input type="checkbox"/> Small Entity Declaration for Indep. Inventor/Small Business |  |
| <input type="checkbox"/> Disclosure Docs & Q's & Copy of Invention Signed Later (____ pgs.)          | <input type="checkbox"/> Transmittal Letter, in duplicate                            |  |
| <input checked="" type="checkbox"/> Drawings: <u>17</u> # of sheets includes <u>26</u> figures       | <input checked="" type="checkbox"/> Fee Transmittal, in duplicate                    |  |

Other: Express Mail Certificate of Mailing  
AMAT No.: 4990/TCG/TPG/OTHER/LE

**EL672746819US**